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A20255 55kD receptor gene for A20757 Syntheir busherile swith a MARIATO Sequence 7 from patent ARIATOS Sequence 7 from patent ARIATOS Sequence 5 from patent ARIATOS Offigonucleotide probe. 7 ARIATOS Offigonucleotide probe. 7 ARIATOS OFFIGORATOS SATUS YMPR I BRANCH ARIATOS OFFI SATUS YMPR 
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ACCC4 Synthetic and rectified patent
AN13107 Sequence 1 from patent
AN13108 Sequence 1 from patent
AN13108 Sequence 3 from patent
AN13109 Sequence 3 from p
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143805 Sequence 24 from patch
M3434 Human tumor increosis fa
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! M60275 Human tumor necrosis fa
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A78738 Sequence 7 from Patent
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LIST-45 -DOCALIGN-200 -THR GYORF-DC1 -THP_MAX-human40.cdi.
ALIGN-15 -MODE-LICAL -OUTBIT-PIS -NYRM-EXI -MINLEN-0
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gb_pdt:AR134759 gb_pdt:AR131308 gb_pdt:AP134740

qb_om:AF013955 qb_om:SSU19944 qb_om:FCU72344
gb_pat:A20259

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Mammalia: Eutheria: Primates: Catarihini; Hominidae: Homo.
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Bloody-to-mikW.iv. 7Ni Linding polypeptide from patent EP9393438
A29103
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03-JUL-1995
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                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic DNA for TNF-receptor from patient EP0393438.
                  613 ATTALIGGAGIGAAAACCITITCCAGIGCIICAAIIGGAGCCICTGCCIC 662
                                                     140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                  156 rCysHisAlaGlyPhePheLeuArqGluAsuGluCysValSerCysSerA 173
                                                                                                                                             173 snCysLysLysSerLeuGluCysThrLysLeuCysLeuProGlnIleGlu 189
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Mammalia, Eutheria, Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gray, P.W., Barrett, K.J., Chantry, D., Turner, M. and Feldman, M. Cloning of human tumor necrosis factor (TNF) receptor cDNA and expression of recombinant soluble INF-binding protein Proc. Natl. Acad. Sci. U.S.A. M7, 7380-7384 (1990)
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                                                                                                                                                                                                 106 sThrValAspArqAspThrValCysClyCysArqLysAsnClnTyrArgH 123
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Sci. U.S.A. (1990) in press! kindly submitted
by P.W.Gray, 13-AUG-1990.
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/protein_id-"AAA36756.1"
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/db_xref "taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                             1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
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                                                          /gene-"INF receptor"
275. .1513
/product-"INF receptor"
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Us-na-525-698A-12 x HTMINEPP
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Ratio: 5.588
Percent Similarity: 94.787
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sog_name: gb_pat:A21522

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                                                                                                                                                                                                                                                                                                                     Enkarvolas Metazoas Chordatas Crasiatas Vertebratas Enteleosfonis
Mammalias Entherias Princiess Gatarribias Hominidaes Homos
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1. 2062
Assasser "Bame cuptens"
Abs.zerf "taxon:96,05"
155. 1822
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/dt_xrcf "G1.579600"
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US-09-525 998A 12 x A21522
seq_documentation block:
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07 OCT 1997
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Perfemann, Gray, P.W., Turner,M.J.C. and Brennan,F.M.
TNE.alpha. receptor-derived binding protein
Patent: US 5633145-A 24 27-MAY-1997;
                                                                                                                           90 SerCysSerLysCysArgLysGluMetGlyGlnValGluIleSerSerCy 106
             106 SThrValAspArdAspThrValCysClyCysArqLysAsnClntyrArqH 123
                                                                                                                                                                                              140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                                                                               156 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
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143805
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/protein_id="Aaa03210.1"
/db_xref="GL:339745"
/ftensisid=ion="MGLSTPUNLLIDEN VERBILLVCEN PSCV (GLVPHIGDREKKDSVC
PORKY THPONNSTOTYCHKGTYTY VINCERPAGETIC RECESSISTASENHERRELSC
SKYPKEMSAVETSSOTVUHDTVYSTYKNIVYPHIYMSPNI PQCPHYSTOT NOTVILSTQE
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Galanaga, T., Granger, G. A., Lentz, R., Raab, H., Kohr, W.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
Bukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukarmalia; Euthoria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 2087)
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Buman placenta, cDNA to mRNA.
                                                                                                                                                                                                                                                                                                                                                           90 SerCysSerLysCysArgLysGluMet.GlyGlnValGluIleSerSerCy 106
                                                                                                                                                                                                                                                                                         #55 AGCTGCTCCAAATGCCGAAAGGAAATGGGTCACTGGAGATGTGAGATGTTCTTTG 504
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                    805 CACCCTCAAAATAATTCGATTTGCTGTACCAAGGCACCAAAGGAACCTA 354
                                                                    56 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 73
                                                                                                                                                                   73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89
/note-"tumor necrosis lactor receptor"
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/db_xraf="taxon_9606"
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Location/Qualitiers
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PSILER"
                    FFGLCLLSLLFIGLMYRYQFWKSKLYSIV/OGKSTPEKEGELEGITTKPLAPNPSFSPT
PGFTPTI GESOVUSSTFTSSSTYTPQI/QDNFAARPPRVAPPPYQGADPTIAYALASIVT
KQNIVOICHASFELRENEOVSCSNORKSLECIKLOLPQIENVKGTEDSGITVLLPLVI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        106 aThrValAspArgAspThrValCyCGlyCysArgLysAspClnTyrArgH 123
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Percent Similarity: 94,787
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Ratio: 5,588
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73 ysőlusérőlysérthelhralasérGluasnHisLeuaraHisCysLeu 89
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rCysHisAlaSl; PhcPhcLeuArqSluAsnSluC;sValSerCysSerA 173

156

732 ACTGINAGANANGCCTGGAGTGCACGAAGTTGTGTTATTGTGTTGAG 781

782 AATGITTAAGGGGAGTGAGGAGTGAGGGACCACA 814

seq_name: qb_pat.A26412

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TELLED FER FELLICIA DE L'ARTE 
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Brockhaus M., Dembir, 2., Seutz. K., Lesslauet.W.,
Schlaeger, E.J.
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/ordanism="synthetic construct"
/H. xiv: "taxon,32630"
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HOFFMANN LA ROPHE AG
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/qene-"INF receptor"

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FFGLCLLSLLFIGLMYRYQRWKSKLYSIVGGKSTPEKRGELEGTTTKPLAPUPSFSPT
POPTPTLAFSFIVPSSIFTSSSIYTPGNPONFRAPRIVAPDPYGADD FLATALASDPT
POPT, GWEDSAHKPGSIDTDDPATT, SQUENDPLAWKEFVRRJGLSDHEIDKLELGON
GRCLREAQYSMLATWRRTTPRHEATLELLGRVLHDMDLLGTLED EBALGGDAALIPDA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fukaryota; Metazoa, Chordata; Craniata, Vertebrata, Euteleostomi;
Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HUMTNERH 2111 bp mRNA PRI 03-AUG-1993
Homo sapiens tumor necrosis factor receptor mRNA, complete cds.
M58286 M3480
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Loetscher, H., Pan, Y.-C.E., Lahm, H.-W., Gentz, P., Rrockhaus, M.,
Tabuchi, H. and Lesslauer, W.
                         rCysHisAlaGlyPhePheLeuArqGluAsnGluCysValSerCysSerA 173
                                                                                               sThrValAspArqAspThrValCysGlyCysArqLysAsnGlnTyrArqH 123
                                                                                                                         123 istytītpSerGluAsnieuPheGlnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                                                                                        140 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 156
                                                                                                                                                                                                                                                                                                                     173 snCystystysScrieuCluCysThriysLeaCysLeuProGln11eGlu 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           737 ACTGTAAGAAAAGCCTGGAGTGCACGAAGTTGTGCCTACCCCAGATTGAG 786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /product "tamor necrosis factor receptor"
/protein_id-"AAA36753.1"
/db_xref-"G1:339754"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /product-"tumor necrosis factor receptor"
90 SernyssortysfratysgluMetGlyGlsValGluIleSerSerC,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /orqanism-"Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /dene-"TNF receptor"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      factor receptor
Cell 61, 351-359 (1990)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /codon_start-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           M58286.1 GI:339753
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                                                                                               106
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287 TAGGGGACAGGGACAAGAGAGATAGTGTGTGTGTCCCCAAGGAAAALATATC 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              123 isfyrfrpSerGluAsmanPheGlnCysPheAsnCysSerLeuCysLeu 139
                                                                                                                                                                                                                                                                                                                                                            187 ATIGGGCCTICTCCACCCTIGGCTIGCTIGCTIGCCTGGTGGTGCTTCCTTGGA 236
                                                                                                                                                                                                                                                                                                                                                                                                                  90 SerCysSerLysCysArgLysGluMetGlyGlnValGluIleSerSerCy 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    106 sThrValAspArgAspThrValCysGlyCysArgLysAsnClnTyrArgH 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  140 AspSlyThrValHisLeuSerCySGlnGluLySGlnAspThrValCySTh 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             156 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    337 CACCCICAAATAATTCGATTTCCTGTACCAAGTGCCACAAAGGAACCTA 386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          173 snCystystysSerteuGluCysThrLysLeuCysLeuProGln11eGlu 189
                                                                                                                                                                                                                                                                                                                       17 uleuleuValGlylleTyrProSerGlyVallleGly......29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30 ......AspSerValCysProGlnGlyLysTyrile 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 40 HisProGlaAsaAsaSerileCysCysThrLysCysHisLysGlyThrTy 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      73 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu 89
                                       necrosis factor receptor"
                                                                                                                                                                                        Percent Identify: 94.787
                                                                                                                                                    Length:
                                                       450 t
                                                                                                                                                                          Gaps:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         787 AATGTTAAGGGCACTGAGGACTCAGGCACCACA 819
274. .1551
/gene-"TNF receptor"
                                                     587 g
                                     /product-"tumor
                                                         629 c
                                                                                                                                                                                                                                             US-09-525-998A-12 x HUMTNFRH
                                                                                                                                                  Quality: 1117.50
                                                                                                                                                                                        94.787
                                                                                                                                                                      5.588
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                                                         445 a
                                                                                                                                                                        Ratio:
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                                                                                                                                  alignment_scores:
mut_peptide
                                                                                                                                                                                                                              aliqument block:
                                                       BASE COUNT
                                                                           ORIGIN
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357 CACCOCOMMANATARICGATILGCIGINCCANCIGNACACANAAA MAAAA TAAAAAA 406

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/db_xrei="01:339756"

//translation="MGLSTYPDLLDPUVLLELLVGTYPSGVIGLYPHLGDREKRDSVC
//translation="MGLSTYPDLLDPUVLLELLVGTYPSGVIGLYPHLGDREKRDSVC
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SKCKKFMGGVFISSCTYUNPTYVGCKKNOYRHYWSFNLFQCFNUSSLGTNGTYPHLSCQR
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POST PILLOF PVESST PT SSSYTTPROFORMAPPRAPPYGAGE LLATALASEPT
PONPLOKWELGAILK POSLITT DEPALTI VERVPPERWEPVREVGASDIETORLELUM
GRCI REAĞYSMI ALMEHTTPREFEATLELLGBVLERMELIGGLED RELELUM
                                             Human tumor necrosis lactor receptor (TNF receptor) mRNA, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fligermaier,K., Lantu.M., Olssen.I., Haspissann.E., Stratowa,C. and
Adoll,G.R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Molecular cloning and expression of human and rat tumor nectosis
factor receptor chain (p60) and its soluble derivative, tumor
necrosis factor-binding protein
DNA Cell Biol. 9, 705-715 (1990)
                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Motazea, Photdata, Chaniala, Vertebrata, Eutoloostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
03-AUG-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Himmler, A., Maurer-Fogy, I., Kroenke, M., Scheurich, P.,
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/protein.id="AAA36754.1"
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632 c 589 g 456 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
                                                                                                                                                                               M63121.1 GT:339755
tumor necrosis factor receptor.
Human cDNA to ARNA.
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/gene="INF receptor"
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/qene="INF receptor"
294. .1571
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TENA
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3112 hp
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US-09-525-998A-LZ-X-HUMTNERC
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Ratio: 5.588
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                                                                                                                                       M63121 M75861
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HUMI NFRO
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                                             DEFINITION
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                                                                                                                                            ACCESSION
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Antisense inhibition of INFR expression
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356 "AGGGGACAGAGAGAGAGAGAGAGAGAAANGGAAAAGAGAAAAYAYG 405
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17 uteuteuValGlyllefyrProserGlyValIleGly.....
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INF-R gene; tumor necrosis factor receptor 1.
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I (bases 1 to 2161)
Nophar.Y., Kemper.C., Brakebusch.C., Englemann.H., Zwang.R.,
Aderka.D., Hollmann.H. and Wallach.D.
Soluble Lorms of Lumor necrosis favior receptors (INF-Rs) The cTNA
for the type I TNF-R, cloned using amino acid sequence data of its
soluble form, encodes both the cell surface and a soluble form of
                                                                                                                                                                                 Eukaryota, Metazzu: Chordatu: Craniata, Vertebrata, Buteleostomi;
Mammalia: Eutheria; Primates; Catarrhini: Hominidae, Homo.
                                              for tumor necrosis factor receptor type 1.
                        18 JAN 1993
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seq_documentation_block:
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Zordanism "Homo sapiens"

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POCKYTHPONNSTCCTKCHKGT7LTNITCFGFGGGTFCKEGESGSFTASENHLKHGTGS
SKCRKEMGQVETSSCTVDRDTVGGCHKNQYRHYWSENLFQCFNGSLCTGGTVHLSCQE
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                                                                                                                                                                                                                                                                                              PGETPTLGESPVPSSTFTSSSTYTPGDCPNFAAPRREVAPPYGGADFLATALASOFT
PNPLQKWEDSAHKPQSLDTDDPATLYAVVENVPPLRWKEFVRRLGLSDHEIDRLELUN
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                                                                                                                                                                                                /translation-"MGLSTVPDLLLPLVLLELLVGIYPSGVIGLVPHLGDREKRDSVC
                                                                                                                                                                                                                                                                                FFGLCLLSLLFIGLMYRYQPWK 4K1,YSTVCGKSTPEKEGELEGTTTKPLAPNPSFSPT
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Ybroduct-flumon nectosis factor receptor type 1"
// Proportonid="CAAA39021.1"
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Percent Identity: 94.787
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/db_xref-"taxon:9606"
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/gene-"TNF-R"
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Ratio: 5.588
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/drais lation="MGISTVPDILLIPIVILEILVGTVISGVIGIVPHIGDREKRDSVC
PGGK THPQUNSTCTFCHKGTVLTVINDEPGPGGDTTDPPFERGSFTASFBHILPHICLSC
SKCPREMGAPFISSTYTDFLTVGCTKRNGVRHTWSENI.FGCFRGSLCINGTVILLSCQE
KQNTVGTGHAGFFLRENEGVSGSNGKKSLEGTKLCLPQIENVKGTEDSGTTVLLPLVI
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123 icTyrTrpSerGluAsnLeuPheGluCyGPheAsnCysSerLeuCysLeu 139
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                                                                                                                                                                                                                                                                                                                                                    156 rCysHisAlaGlyPhePheLouArgCluAsnGluCysValSerCysSerA 173
                                                                                                                                                                                                                                                                                                                                                                                                   173 snCystystysSerLeadluCysThrLysteaCysteuProGlnIleGlu 189
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Other publication 2A 9407962 951121
Other publication JP 7194376 950801
Other publication AU 7574294 950509
Other publication CA 2133872 950413.
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256. .1623
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US-09-525-998A-12 x A43873
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                                             56 rleufyrAsnAsp?ysProdlyProSly?luAspThrAsp?ysAraCluC
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Brakebusch, C. and Wallach, D.
INF REFERTOR ACTION MODIFATION
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VEDA PES 6 DEV (II.)
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SerCysSerLysGysArglysGluMetGlyGluAlGlu1leSerSerCy 106
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/db_arel:"Laaon.32644"
641 c 604 q /
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Ratio: 5.588
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29-SEP-1999

1. A.1

DEFINITION Sequence 1 from patent US 5811261. ACCESSION AR041076

2175 bp

seq_documentation_block:

AR041076

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Expression of the recombinant tumor necrosis factor binding protein
                                                                         1 (bases 1 to 2175) Wallach,D., Nophar,T., Kemper,O., Engelmann.H., Brakebusch,C. and
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Ratio: 5.588
Percent Similarity: 44.787
                                                            Unclassified.
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Page 11

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(bases 1 to 2175)
Wallach, D. Brakebusch, C., Varfelemeev, F. and Batkin, M.
Molecules intluencing the shedding of the TNF receptor, their
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90 SerCysSerLysCysArqLysGluMetGlyGlnValGluIleSerSerCy 106
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Patent: US 565855'A 1 09 SEP-1997;
Location/Qualifiers
1. .2175
                                            190 AssVallysGlyThrdluAsperedyThrThr 200 HTHHHHHH 856 AATGHTAAGGGCACHGAGGGACGAGGAGGAGGAGGAGGAGGAGGAGA 888
                                                                                                                                                      Sequence 1 from patent 88 5665859
164751
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Ratio: 5.588
Percent Similarity: 94.787
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US-09-525-998A-12 x 164751
                                                                                                                                                                                                                                                                           Unclassified.
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LOCUS 164751
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SOURCE
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